

WEST Search History

DATE: Monday, April 10, 2006

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L46	(optical adj card and modify\$6).clm.	4
<input type="checkbox"/>	L45	(optical adj card and modify\$6 and access adj control).clm.	0
<input type="checkbox"/>	L44	(biometric\$6 and optical adj card and modify\$6 and access adj control).clm.	0
<input type="checkbox"/>	L43	(biometric\$6 and optical adj card and modify\$6 and access adj control).clm.	0
<input type="checkbox"/>	L42	(biometric\$6 and optical adj card and modify\$6 access adj control).clm.	7682
<input type="checkbox"/>	L41	(biometric\$6 and optical adj card and modify\$6 access adj control)	65876
<input type="checkbox"/>	L40	L39 and (modify\$6 near4 access near3 control)	9
<input type="checkbox"/>	L39	l28 and (tracking same biometric\$2 (read\$4 near4 writ\$4))	5301
<input type="checkbox"/>	L38	L37 and (optical near3 (read\$3 near4 writw\$2))	0
<input type="checkbox"/>	L37	713/182.ccls. and biometric\$2	175
<input type="checkbox"/>	L36	L28 and (compar\$7 near2 appearance near10 stored)	9
<input type="checkbox"/>	L35	L28 and ((optical near3 drive\$2 near10 (read\$5 and writ\$5) same biometric\$2))	2
<input type="checkbox"/>	L34	L28 and ((optical near3 drive\$2 near10 (read\$5 and writ\$5)) and biometric\$3 and appearance\$2)	8
<input type="checkbox"/>	L33	L28 and ((optical near3 drive\$2 near10 (read\$5 and writ\$5)) and biometric\$3)	28
<input type="checkbox"/>	L32	L28 and ((optical near3 drive\$2 near10 (read\$5 and writ\$5)) same biometric\$3)	2
<input type="checkbox"/>	L31	L28 and ((optical near3 drive\$2 near10 (read\$5 and writ\$5)) same bimetric\$3)	0
<input type="checkbox"/>	L30	L28 and (optical near3 drive\$2 near10 (read\$5 and writ\$5) near10 bimetric\$3)	0
<input type="checkbox"/>	L29	L28 and (optical near3 drive\$2 near10 (read\$5 and writ\$5))	364
<input type="checkbox"/>	L28	713/186,187,193,194; 235/386,444,455,462,487,488,490,382.5;340/5.33,5.83;705/1,14,16,26,42,44,65,76;382/115.ccls.	26900
<input type="checkbox"/>	L24	L23 and optical adj card\$2	4
<input type="checkbox"/>	L23	L22 and biometric\$2	62
<input type="checkbox"/>	L22	(5457747 6307956 5870723 5526428 5790674 5832464 5838812 6040783 6070141 6366682 6424249 6219439 6219439 5566327 5764789 6154879 5280527 5613012 5802199 5805719 6111517 6269348 6655585 5712912 5245329 5412727 5680460 5815252 6484260 5337043 6284418 6775774 4605846 5756978 6196459 6202155 6321981 6527173 5509083 6539101 6163771 5478993 5485519 5892824 6845906 5920058 5995630 5841907 6301375 5583950).pn.	94
<input type="checkbox"/>	L21	5027401.pn.	2
<input type="checkbox"/>	L20	L19 and prescription	6
<input type="checkbox"/>	L19	L18 and (read and write)	67
<input type="checkbox"/>	L18	L17 and optical	332

<input type="checkbox"/>	L17 L16 and image	578
<input type="checkbox"/>	L16 L15 and biometric\$2	907
<input type="checkbox"/>	L15 (902/3 380/28 235/380 713/176 705/18 705/41 382/115).ccls.	7906
<input type="checkbox"/>	L14 L13 and image	50
<input type="checkbox"/>	L13 L11 and optical	75
<input type="checkbox"/>	L12 L11 and optcal	0
<input type="checkbox"/>	L11 L10 and biometric\$2	159
<input type="checkbox"/>	L10 (713/176).ccls.	1736
<input type="checkbox"/>	L9 L8 and optical adj card\$2	9
<input type="checkbox"/>	L8 (380/28).ccls.	1140
<input type="checkbox"/>	L7 380.28.ccls.	0
<input type="checkbox"/>	L6 L4 and optical adj card\$2	5
<input type="checkbox"/>	L5 L4 and opticarl adj card\$2	0
<input type="checkbox"/>	L4 L2 and biometric	239
<input type="checkbox"/>	L3 L2 same biometric	0
<input type="checkbox"/>	L2 (235/379 713/100).ccls.	4000
<input type="checkbox"/>	L1 (713/100).ccls.	1078

END OF SEARCH HISTORY

Set	Items	Description
S1	2799	BIOMETRIC? OR BIO()METRIC?
S2	18557	BIOINFORMATIC? OR BIO()INFORMATIC? OR BIOSTATISTIC? OR BIO- ()STATISTIC? OR ACCESS? ()CONTROL?
S3	14517	FINGERPRINT? OR HANDPRINT? OR (FINGER OR HAND) ()PRINT?
S4	1228327	IRIS? OR VOICE? OR FACE? OR HANDWRITING? OR SIGNATURE? OR - RETINA?
S5	39116	SMARTCARD? OR SMART()CARD? ? OR IC()CARD? ? OR ICCARD? ? OR OPTICALCARD?. OR OPTICAL()CARD? ? OR BIOMETRICCARD? OR BIOMET- RIC? ()CARD? ? OR (HARDWARE? OR HARD()WARE) ()TOKEN?
S6	73805	(DETERMIN? OR MEASUR? OR TRACK? OR IDENTIF? OR SURVEIL? OR COMPAR? OR DISCERN? OR ASSESS? OR ANALYS? OR SELECT? OR SCANN- ING?) (10N) S1:S5
S7	101261	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR A- NALYZ? OR REFERENC? OR FOLLOW? OR PURSU? OR READ? OR SCAN??? - OR WRITE? ? OR WRITING?) (10N) S1:S5
S8	1653	(MANIPULAT? OR RECONFIG? OR RESET??? OR RE()SET??? OR RESE- TTING? OR RE()SETTING?) (10N) S1:S5
S9	8	(REENCRYPT? OR RE()ENCRYPT? OR ENCRYPT?(3N)AGAIN OR DOUBL?- (2N)ENCRYPT?) (10N) S1:S5
S10	6	(OPTICAL?(2W) (DISC? ? OR DISK? OR MEDIA? ? OR MEDIUM?) (2N)- DRIVE? OR (SMARTCARD? OR SMART()CARD? ?) (2N)READER?) (10N) (S6:- S7 AND S8:S9)
S11	10	((READWRITE? OR READ? () (WRITE? ? OR WRITING?)) (3N) (MECHANI- SM? OR DEVICE OR APPARAT? OR UNIT? ?)) (10N) (S6:S7 AND S8:S9)
S12	11259	IC=H04K?
S13	1450575	MC=(S05? OR T01? OR T04?)
S14	530	S6:S7 AND S8
S15	166	S14 AND S12:S13
S16	142	S15 NOT PR=2000:2001
S17	1099833	MANIPULAT? OR RECONFIG? OR REENCRYPT? OR RE()ENCRYPT? OR E- NCRYPT?(3N)AGAIN OR DOUBL?(2N)ENCRYPT? OR READ? OR RE() (WRITE? ? OR WRITING?) OR REWRIT?
S18	103	S16 AND S17
S19	86	S18 NOT PR>1999
S20	29	S19 AND S5
S21	244	AU=(HARPER J? OR HARPER, J?)
S22	0	(JACK OR JACKSON) (2N)HARPER
S23	15	S21 AND S1:S5
S24	12	S23 NOT PR>1999
S25	3677	S1:S4 AND S5
S26	7	(MANIPULAT? OR RECONFIG? OR REENCRYPT? OR RE()ENCRYPT? OR - ENCRYPT?(3N)AGAIN OR DOUBL?(2N)ENCRYPT?) (10N) S25
S27	136	(OPTICAL?(2W) (DISC? ? OR DISK? OR MEDIA? ? OR MEDIUM?) (2N)- DRIVE? OR (SMARTCARD? OR SMART()CARD? ?) (2N)READER?) (10N) S25
S28	0	(MANIPULAT? OR RECONFIG? OR REENCRYPT? OR RE()ENCRYPT? OR - ENCRYPT?(3N)AGAIN OR DOUBL?(2N)ENCRYPT?) (10N) S27
S29	107	S27 NOT PR>1999
S30	122	S18:S20 OR S23:S24 OR S26
S31	107	S29 NOT S30
S32	23	S9:S11
S33	107	S31 NOT S32

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200622

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/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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Your Inventor

016465558 **Image available**
WPI Acc No: 2004-623482/200460
Related WPI Acc No: 2004-634307; 2005-597369
XRPX Acc No: N04-492905

Access control system for aircraft maintenance work area, has data processing and storing system that compares biometric data of individual with data stored in digital card, where individual is identified by comparison information

Patent Assignee: BSI 2000 INC (BSIT-N)

Inventor: HARPER J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6775774	B1	20040810	US 99454717	A	19991206	200460 B

Priority Applications (No Type Date): US 99454717 A 19991206

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6775774	B1	14	H04K-001/00	

... control system for aircraft maintenance work area, has data processing and storing system that compares biometric data of individual with data stored in digital card, where individual is identified by comparison...

Inventor: HARPER J

Abstract (Basic):

... The system has a read write system for digitally reading from and writing to a digital card that stores biometric information. A data processing and storing system (14) obtains biometric data and compares with the data stored in the card. The data is displayed in a display system. The individual is identified by the comparison of biometric data, and the information pertaining to the comparison is encoded on the card.

... Read write unit (22...

... Biometric data obtaining unit (24...

...Fingerprint reading device (26

International Patent Class (Main): H04K-001/00

Manual Codes (EPI/S-X): S05-D01C5A ...

... S05-G02G1 ...

... T01-J07D ...

... T04-D04 ...

... T04-K

?

Set	Items	Description
S1	6300	BIOMETRIC? OR BIO()METRIC?
S2	26432	BIOINFORMATIC? OR BIO()INFORMATIC? OR BIOSTATISTIC? OR BIO- () STATISTIC? OR ACCESS? () CONTROL?
S3	18339	FINGERPRINT? OR HANDPRINT? OR (FINGER OR HAND) () PRINT?
S4	588175	IRIS? OR VOICE? OR FACE? OR HANDWRITING? OR SIGNATURE? OR - RETINA?
S5	21458	SMARTCARD? OR SMART()CARD? ? OR IC()CARD? ? OR ICCARD? ? OR OPTICALCARD? OR OPTICAL()CARD? ? OR BIOMETRICCARD? OR BIOMET- RIC? () CARD? ? OR (HARDWARE? OR HARD()WARE) () TOKEN?
S6	83090	(DETERMIN? OR MEASUR? OR TRACK? OR IDENTIF? OR SURVEIL? OR COMPAR? OR DISCERN? OR ASSESS? OR ANALYS? OR SELECT? OR SCANN- ING?) (10N) S1:S5
S7	91056	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR A- NALYZ? OR REFERENC? OR FOLLOW? OR PURSU? OR READ? OR SCAN??? - OR WRITE? ? OR WRITING?) (10N) S1:S5
S8	4071	(MANIPULAT? OR RECONFIG? OR RESET??? OR RE()SET??? OR RESE- TTING? OR RE()SETTING?) (10N) S1:S5
S9	172	(REENCRYPT? OR RE()ENCRYPT? OR ENCRYPT? (3N) AGAIN OR DOUBL?- (2N) ENCRYPT?) (10N) S1:S5
S10	256	(OPTICAL? (2W) (DISC? ? OR DISK? OR MEDIA? ? OR MEDIUM?) (2N) - DRIVE? OR (SMARTCARD? OR SMART()CARD? ?) (2N) READER?) (10N) (S6:- S7 AND S8:S9)
S11	63	((READWRITE? OR READ? () (WRITE? ? OR WRITING?)) (3N) (MECHANI- SM? OR DEVICE OR APPARAT? OR UNIT? ?)) (10N) (S6:S7 AND S8:S9)
S12	1732	IC=H04K?
S13	621814	S1:S5
S14	134934	S13 AND S6:S7
S15	2831	S14 AND S8:S9
S16	308	S15 AND S10:S11
S17	5	S16 AND S12
S18	58	S16 AND S9
S19	58	S18 AND S10:S11
S20	40	S19 NOT AD=2000:2001
S21	40	IDPAT (sorted in duplicate/non-duplicate order)
S22	133	AU=(HARPER J? OR HARPER, J?)
S23	29	(JACK OR JACKSON) (2N) HARPER
S24	159	S22:S23
S25	1	S24 AND S12
S26	2	S24 AND (S5 OR S10:S11)
S27	2	S25:S26

File 348:EUROPEAN PATENTS 1978-2006/ 200613

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File 349:PCT FULLTEXT 1979-2006/UB=20060330,UT=20060323

(c) 2006 WIPO/Univentio

21/3,K/24 (Item 24 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01036193

METHOD AND APPARATUS FOR RECORDING OF ENCRYPTED DIGITAL DATA
VERFAHREN UND VORRICHTUNG ZUR AUFNAHME CHIFFRIERTER DIGITALER DATEN
PROCEDE ET DISPOSITIF PERMETTANT D'ENREGISTRER DES DONNEES NUMERIQUES
CRYPTTEES

PATENT ASSIGNEE:

THOMSON Licensing S.A., (2880649), 46, Quai Alphonse Le Gallo, 92100
Boulogne-Billancourt, (FR), (Proprietor designated states: all)

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LEGAL REPRESENTATIVE:

Kohrs, Martin (88662), Thomson multimedia 46, quai A. Le Gallo, 92100
Boulogne-Billancourt, (FR)

PATENT (CC, No, Kind, Date): EP 1018265 A1 000712 (Basic)
EP 1018265 B1 041208
WO 1999016244 990401

APPLICATION (CC, No, Date): EP 98942975 980922; WO 98IB1511 980922

PRIORITY (CC, No, Date): EP 97402238 970925

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04N-005/913

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200450	558
CLAIMS B	(German)	200450	561
CLAIMS B	(French)	200450	590
SPEC B	(English)	200450	4732
Total word count - document A			0
Total word count - document B			6441
Total word count - documents A + B			6441

...SPECIFICATION the digital recording medium.

In a particularly preferred embodiment the portable support device is a **smart card** adapted to be received in a **smart card reader** in the decoder and/or digital recorder. In this application the term "**smart card**" is used to mean any conventional chip-based card device possessing, for example, microprocessor or...

...shaped devices such as are often used in TV decoder systems.

In one embodiment, the **smart card** also contains the equivalent of the first key used to decrypt the control word for...

...for viewing in the case of a television broadcast system. In such a case, the **smart card** forms part of the pay TV system and may also contain a personalised key known...

...end of the month.

In an alternative embodiment, the second key is stored on a **smart card** different from that used to store the first key. In such an

embodiment, reading of...

...watch previously recorded films provided the digital recorder/player that he possesses is adapted to read the accompanying smart card.

In such a system, a single smart card and second key may be used to generate the re - encrypted code word for a plurality of recordings. In such a way, a single "library card" can be used to decrypt any number of recordings.

In the invention, the smart card also contains a number of credit units to determine how many times the recording may be replayed, the number of units being decremented with...

...is particularly applicable to the case where the second key algorithm is stored on a smart card associated with the recording medium. However, in an alternative embodiment, the portable support is defined...

...be copied from within the embedded chip. The variations described above with regard to the smart card embodiments are equally applicable to systems in which the support is defined by the recording...

...relation to a method but applies equally to a combination of a decoder and a smartcard ; and a smartcard .

The terms " scrambled " and " encrypted " and " control word " and " key " have been used here for...

...5 shows a first embodiment of the invention including a digital recording device and a smart card containing a second algorithm used to encrypt the code word to be registered on a digital video cassette ;

Figure 6 shows a second embodiment of the invention in which the smart card contains both the first and second keys necessary for viewing the transmitted and recorded program...

...the end user to access digital television broadcasts from one or more broadcast suppliers. A smartcard , capable of decrypting messages relating to commercial offers (that is, on or several television programmes...

...broadcast supplier), can be inserted into the receiver/decoder 2020. Using the decoder 2020 and smartcard , the end user may purchase events in either a subscription mode or a pay-per...

...and so on.

First encrypting units in the form of ciphering units 3008 utilising "mother" smartcards 3010 are connected to the SAS by linkage 3012. Second encrypting units again in the form of ciphering units 3014 utilising mother smartcards 3016 are connected to the mutliplexer 2004 by linkage 3018. The receiver/decoder 2020 receives a "daughter" smartcard 3020. It is connected directly to the SAS 3002 by Communications Servers 3022 via the modemmed back channel 4002. The SAS sends amongst other things subscription rights to the daughter smartcard on request.

The smartcards contain the secrets of one or more commercial operators. The " mother " smartcard encrypts different kinds of messages and the "daughter" smartcards decrypt the messages, if they have the rights to do so.

The first and second...

...VME card with software stored on an EEPROM, up to 20 electronic cards and one smartcard 3010 and 3016 respectively, for each electronic card,

one (card 3016) for encrypting the ECMs...

...the corresponding ECM from the MPEG-2 stream and passes the ECM to the "daughter" **smartcard** 3020 of the end user. This slots into a housing in the receiver/decoder 2020. The daughter **smartcard** 3020 controls whether the end user has the right to decrypt the ECM and to...

...particular operator to provide certain free services. An "audience" is the totality of subscribers having **smartcards** which bear the same Operator **Identifier** (OPI). Finally, a "unique" EMM is addressed to the unique **identifier** of the **smartcard**.

Encryption Levels of the System

Referring now to Figure 3, the encryption levels in the...

...Cex.

The decryption units DChp and DChl and the associated keys are held on a **smart card** provided to the subscriber and inserted in a **smart card reader** in the decoder. The keys may be generated according to any known symmetric key algorithm, such...

...5, the present invention provides a means for overcoming this problem.

The system comprises a **smart card** 4004, insertable in a **smart card** slot in the receiver/decoder, together with a digital recorder 4005, eg a DVHS recorder...

...a DVHS cassette.

In this embodiment, the received control word is decrypted by the associated **smart card** 3020 inserted in the decoder (see Figure 2). The decoded control word Ce (together with any other data that forms the ECM, such as **access control** information etc) is then passed to the microprocessor embedded in the **smart card** 4004. Using a second encryption key C2 and second encryption algorithm Ch2, the **smart card** 4004 generates a new ECM, indicated as ECM' in the figure. This entitlement message ECM...

...decoder to descramble the program for viewing.

In the system shown in Figure 5 the **smart card** 4004 is different from the **smart card** 3020 shown in Figure 2 of the television system and which contains the encryption keys...

...for viewing of the program. However, in the alternative embodiment shown in Figure 6, the **smart card** 3020 contains both the first and second encryption keys Cex and C2 needed for viewing...

...obtain that month's key Cex stored in the memory of the card. Although the **smart card** has been shown in the form of a substantially rectangular card, other physical forms, such...

...digital recording device may be combined or interchanged, such that the digital recorder possesses a **smart card** slot for receiving a **smart card**, for example, and/or the necessary elements to descramble the program once the control word...

...CLAIMS key (Cex) necessary to decrypt the information, characterized in that the decrypted information is thereafter re-encrypted using a second key (C2) stored in a **smart card** (3020; 4004) adapted to be received in a **smart card reader** in the decoder (2020), the re

- **encrypted** information being thereafter recorded on a digital recording medium (4006) by a digital recorder (4005), and in which the **smart card** also contains a number of credit units (U) to **determine** how many times a recording may be replayed, the number of units being decremented with...

...any of claims 1 to 3, wherein the second key (C2) is stored on a **smart card** associated with the recording medium.

6. A combination of a decoder (2020) for receiving digital...

...to an equivalent of the first key (Cex) necessary to decrypt the information, and a **smart card** (3020; 4004) adapted to be received in a **smart card reader** in the decoder (2020), characterised in that the **smart card** (3020; 4004) possesses a second key (C2) for use in **re - encrypting** the decrypted information for subsequent transmittal to a digital recording device (4005) for recordal on a digital recording medium (4006) and in which the **smart card** also contains a number of credit units (U) to **determine** how many times a recording may be replayed, the **smart card** being arranged to decrement the number of units with each subsequent partial or complete playing...

...particular segment of the recording such that, upon playing a section of the recording, the **smart card** is arranged to decrement certain credits associated with that section.

8. A combination as claimed in claim 7 in which the credit units are of a single type and the **smart card** is arranged to decrement the credit units with the playing of any section of the recording.

9. A **smart card** (3020; 4004) adapted to be received in a **smart card reader** in a decoder (2020), the **smart card** receiving from the decoder digital information (Ce) encrypted using a first key (Cex) and having...

...to an equivalent first key (Cex) necessary to decrypt the information, characterized in that the **smart card** (3020; 4004) possesses a second key (C2) for use in **re - encrypting** the decrypted information for subsequent transmittal to a digital recording device (4005) for recordal on a digital recording medium (4006) and in which the **smart card** also contains a number of credit units (U) to **determine** how many times a recording may be replayed, the **smart card** being arranged to decrement the number of units with each subsequent partial or complete playing...

Set	Items	Description
S1	26241	BIOMETRIC? OR BIO()METRIC?
S2	25295	BIOINFORMATIC? OR BIO()INFORMATIC? OR BIOSTATISTIC? OR BIO- ()STATISTIC?
S3	58246	FINGERPRINT? OR HANDPRINT? OR (FINGER OR HAND) ()PRINT?
S4	1356193	IRIS? OR VOICE? OR FACE? OR HANDWRITING? OR SIGNATURE? OR - RETINA?
S5	16356	SMARTCARD? OR SMART()CARD? ? OR IC()CARD? ? OR ICCARD? ? OR OPTICALCARD? OR OPTICAL()CARD? ? OR BIOMETRICCARD? OR BIOMET- RIC? ()CARD? ? OR (HARDWARE? OR HARD()WARE) ()TOKEN?
S6	216144	(DETERMIN? OR MEASUR? OR TRACK? OR IDENTIF? OR SURVEIL? OR COMPAR? OR DISCERN? OR ASSESS? OR ANALYS? OR SELECT? OR SCANN- ING?) (10N)S1:S5
S7	131727	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR A- NALYZ? OR REFERENC? OR FOLLOW? OR PURSU? OR READ? OR SCAN??? - OR WRITE? ? OR WRITING?) (10N)S1:S5
S8	2582	(MANIPULAT? OR RECONFIG? OR RESET??? OR RE()SET??? OR RESE- TTING? OR RE()SETTING?) (10N)S1:S5
S9	13	(REENCRYPT? OR RE()ENCRYPT? OR ENCRYPT?(3N)AGAIN OR DOUBL?- (2N)ENCRYPT?) (10N)S1:S5
S10	10	(OPTICAL?(2W) (DISC? ? OR DISK? OR MEDIA? ? OR MEDIUM?) (2N) - DRIVE? OR (SMARTCARD? OR SMART()CARD? ?) (2N)READER?) (10N) (S6:- S7 AND S8:S9)
S11	0	((READWRITE? OR READ?() (WRITE? ? OR WRITING?)) (3N) (MECHANI- SM? OR DEVICE OR APPARAT? OR UNIT? ?)) (10N) (S6:S7 AND S8:S9)
S12	39	(MANIPULAT? OR RECONFIG? OR REENCRYPT? OR RE()ENCRYPT? OR - ENCRYPT?(3N)AGAIN OR DOUBL?(2N)ENCRYPT?) (10N)S5
S13	8	(OPTICAL?(2W) (DISC? ? OR DISK? OR MEDIA? ? OR MEDIUM?) (2N) - DRIVE? OR (SMARTCARD? OR SMART()CARD? ?) (2N)READER?) (10N)S12
S14	21	S12 NOT PY>1999
S15	14	RD (unique items)
S16	5	(CARD() (READER? OR ACCEPTER?) OR CARDREADER? OR CARD?(3N)R- EAD?(3N) (DEVICE? OR APPLIANC? OR APPARATUS? OR EQUIPMENT?)) (- 10N) (S6:S7 AND S8)
S17	54	S9:S15
S18	0	S16 NOT S17
S19	4841	AU=(HARPER J? OR HARPER, J?)
S20	6	(JACK OR JACKSON) (2N)HARPER
S21	56	S1:S5 AND S19:S20
S22	35	S21 NOT PY>1999
S23	30	RD (unique items)
File	2:INSPEC	1898-2006/Mar W4 (c) 2006 Institution of Electrical Engineers
File	6:NTIS	1964-2006/Mar W4 (c) 2006 NTIS, Intl Cpyrght All Rights Res
File	8:EI	Compendex(R) 1970-2006/Mar W4 (c) 2006 Elsevier Eng. Info. Inc.
File	34:SciSearch(R)	Cited Ref Sci 1990-2006/Mar W4 (c) 2006 Inst for Sci Info
File	35:Dissertation	Abs Online 1861-2006/Mar (c) 2006 ProQuest Info&Learning
File	62:SPIN(R)	1975-2006/Mar W1 (c) 2006 American Institute of Physics
File	65:Inside	Conferences 1993-2006/Apr 04 (c) 2006 BLDSC all rts. reserv.
File	94:JICST-EPlus	1985-2006/Jan W2 (c)2006 Japan Science and Tech Corp(JST)
File	95:TEME-Technology & Management	1989-2006/Apr W1 (c) 2006 FIZ TECHNIK
File	99:Wilson	Appl. Sci & Tech Abs 1983-2006/Mar (c) 2006 The HW Wilson Co.

File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Mar 28
 (c) 2006 The Gale Group
File 144:Pascal 1973-2006/Mar W2
 (c) 2006 INIST/CNRS
File 239:Mathsci 1940-2006/May
 (c) 2006 American Mathematical Society
File 256:TecInfoSource 82-2006/Apr
 (c) 2006 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info

15/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06804894 INSPEC Abstract Number: B9802-6210-013, C9802-7100-040

Title: Beyond the phone card: emerging smart card opportunities

Author(s): Jarvis, C.R.

Journal: GEC Review vol.12, no.3 p.131-7

Publisher: GEC,

Publication Date: 1997 Country of Publication: UK

CODEN: GECREP ISSN: 0267-9337

SICI: 0267-9337(1997)12:3L:131:BPCE;1-N

Material Identity Number: I833-97004

Language: English

Subfile: B C

Copyright 1998, IEE

...Abstract: to act as the enabling technology to bring order and security to such systems. The **smart card** has the ability to: authenticate identity, control access, **manipulate** and encrypt data, and securely transfer value. These mechanisms are explained and some applications and...

15/3,K/11 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus
(c)2006 Japan Science and Tech Corp(JST). All rts. reserv.

03941546 JICST ACCESSION NUMBER: 99A0003587 FILE SEGMENT: JICST-E
"Optica 1 card " which changes medical system. Lecture on manipulation
(application 1) Preparation method of electronic karte. From complaint
to inspection by touch panel operation.
Medikaru Asahi(Asahi Monthly Journal of Medicine), 1998, VOL.27,NO.11,
PAGE.42-44, FIG.9
JOURNAL NUMBER: L3115AAZ ISSN NO: 0919-7818
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02:61
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

"Optica 1 card " which changes medical system. Lecture on manipulation
(application 1) Preparation method of electronic karte. From complaint
to inspection by touch panel operation.

15/3,K/14 (Item 2 from file: 144)

DIALOG(R) File 144:Pascal

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12176219 PASCAL No.: 95-0387442

**Manipulation de donnees multimedia dans la carte a micro-processeur:
application a l'identification biometrique et comportementale**

**(Multimedia Data Manipulation dedicated to Smart Cards : Application
to Biometrics and Behavior Recognition)**

ALEXANDRE Thomas; CORDONNIER V, dir

Universite de Lille 1, Villeneuve-d'Ascq, Francee

Univ.: Universite de Lille 1. Villeneuve-d'Ascq. FRA Degree: Th. doct.

1995-02; 1995 156 p.

Language: French Summary Language: French; English

**(Multimedia Data Manipulation dedicated to Smart Cards : Application
to Biometrics and Behavior Recognition)**

Set	Items	Description
S1	108301	BIOMETRIC? OR BIO()METRIC?
S2	64199	BIOINFORMATIC? OR BIO()INFORMATIC? OR BIOSTATISTIC? OR BIO- ()STATISTIC?
S3	164752	FINGERPRINT? OR HANDPRINT? OR (FINGER OR HAND) ()PRINT?
S4	11905972	IRIS? OR VOICE? OR FACE? OR HANDWRITING? OR SIGNATURE? OR - RETINA?
S5	213170	SMARTCARD? OR SMART()CARD? ? OR IC()CARD? ? OR ICCARD? ? OR OPTICALCARD? OR OPTICAL()CARD? ? OR BIOMETRICCARD? OR BIOMET- RIC? ()CARD? ? OR (HARDWARE? OR HARD()WARE) ()TOKEN?
S6	644752	(DETERMIN? OR MEASUR? OR TRACK? OR IDENTIF? OR SURVEIL? OR COMPAR? OR DISCERN? OR ASSESS? OR ANALYS? OR SELECT? OR SCANN- ING?) (10N)S1:S5
S7	930225	(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR RECOGN? OR A- NALYZ? OR REFERENC? OR FOLLOW? OR PURSU? OR READ? OR SCAN??? - OR WRITE? ? OR WRITING?) (10N)S1:S5
S8	13015	(MANIPULAT? OR RECONFIG? OR RESET??? OR RE()SET??? OR RESE- TTING? OR RE()SETTING?) (10N)S1:S5
S9	57	(REENCRYPT? OR RE()ENCRYPT? OR ENCRYPT?(3N)AGAIN OR DOUBL?- (2N)ENCRYPT?) (10N)S1:S5
S10	104	(OPTICAL?(2W) (DISC? ? OR DISK? OR MEDIA? ? OR MEDIUM?) (2N) - DRIVE? OR (SMARTCARD? OR SMART()CARD? ?) (2N)READER?) (10N) (S6:- S7 AND S8:S9)
S11	0	((READWRITE? OR READ? () (WRITE? ? OR WRITING?)) (3N) (MECHANI- SM? OR DEVICE OR APPARAT? OR UNIT? ?)) (10N) (S6:S7 AND S8:S9)
S12	192	(MANIPULAT? OR RECONFIG? OR REENCRYPT? OR RE()ENCRYPT? OR - ENCRYPT?(3N)AGAIN OR DOUBL?(2N)ENCRYPT?) (10N)S5
S13	26	(OPTICAL?(2W) (DISC? ? OR DISK? OR MEDIA? ? OR MEDIUM?) (2N) - DRIVE? OR (SMARTCARD? OR SMART()CARD? ?) (2N)READER?) (10N)S12
S14	104	S10 OR S13
S15	25	S14 NOT PD>1999
S16	19	RD (unique items)
S17	0	S13 NOT S14
S18	139	S12 NOT S14
S19	77	S18 NOT PD>1999
S20	52	RD (unique items)
S21	22026	S1:S4 (10N)S5
S22	16	(MANIPULAT? OR RECONFIG? OR REENCRYPT? OR RE()ENCRYPT? OR - ENCRYPT?(3N)AGAIN OR DOUBL?(2N)ENCRYPT?) (10N)S21
File	9:Business & Industry(R)	Jul/1994-2006/Apr 04 (c) 2006 The Gale Group
File	13:BAMP 2006/Mar W4	(c) 2006 The Gale Group
File	15:ABI/Inform(R)	1971-2006/Apr 05 (c) 2006 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2006/Apr 05 (c) 2006 The Gale Group
File	20:Dialog Global Reporter	1997-2006/Apr 05 (c) 2006 Dialog
File	47:Gale Group Magazine DB(TM)	1959-2006/Apr 05 (c) 2006 The Gale group
File	75:TGG Management Contents(R)	86-2006/Mar W4 (c) 2006 The Gale Group
File	88:Gale Group Business A.R.T.S.	1976-2006/Mar 29 (c) 2006 The Gale Group
File	98:General Sci Abs	1984-2004/Dec (c) 2005 The HW Wilson Co.
File	141:Readers Guide	1983-2004/Dec (c) 2005 The HW Wilson Co
File	148:Gale Group Trade & Industry DB	1976-2006/Apr 05 (c)2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2006/Apr 04
(c) 2006 The Gale Group
File 369:New Scientist 1994-2006/Aug W4
(c) 2006 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
File 484:Periodical Abs Plustext 1986-2006/Mar W4
(c) 2006 ProQuest
File 553:Wilson Bus. Abs. 1982-2006/Mar
(c) 2006 The HW Wilson Co
File 610:Business Wire 1999-2006/Apr 05
(c) 2006 Business Wire.
File 613:PR Newswire 1999-2006/Apr 05
(c) 2006 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Apr 05
(c) 2006 The Gale Group
File 624:McGraw-Hill Publications 1985-2006/Apr 05
(c) 2006 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2006/Apr 04
(c) 2006 San Jose Mercury News
File 635:Business Dateline(R) 1985-2006/Apr 05
(c) 2006 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2006/Apr 04
(c) 2006 The Gale Group
File 647:CMP Computer Fulltext 1988-2006/Apr W4
(c) 2006 CMP Media, LLC
File 674:Computer News Fulltext 1989-2006/Mar W4
(c) 2006 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2006/Apr 05
(c) 2006 Dialog
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

16/3,K/17 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2006 CMP Media, LLC. All rts. reserv.

01107342 CMP ACCESSION NUMBER: EBN19961021S0023

Amphenol Corp.

Diane Norman

ELECTRONIC BUYER'S NEWS, 1996, n 1029, PGE36

PUBLICATION DATE: 961021

JOURNAL CODE: EBN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: EBN Extra - Top Component Suppliers /Connectors

WORD COUNT: 300

... company's European operation is developing interconnect systems that can serve as the interface between **smart cards** and the **readers** used for interpreting or **manipulating** the data on a chip.

The company's products are manufactured and assembled worldwide.
Facility...

16/3,K/19 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0784030 BW1252

**FISCHER INTL SYSTEMS: Fischer's Smarty Smart Card Reader Now Supports
Access Control Application for PCs, Laptops; Smarty Lets Users Store
Passwords on Smart Cards for Extra Security**

December 10, 1997

Byline: Business Editors

**Fischer's Smarty Smart Card Reader Now Supports Access Control
Application for PCs, Laptops; Smarty Lets Users Store Passwords on
Smart...**

...BUSINESS WIRE)--Dec. 10, 1997--Fischer
International Systems Corp. announced Wednesday that its Smarty(tm)
Smart Card Reader now supports Fischer's SafeBoot(tm) software
application for PC and laptop data security and...

...and CNN fn, as well as in
numerous publications including BusinessWeek. Smarty is unique
among smart card readers because it is the only one that works from
the 3.5 inch drive, which...

20/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2006 The Gale Group. All rts. reserv.

01242139 Supplier Number: 23859467 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Gemplus Tries SIMple Approach

(Gemplus launches SIMple, an interface between the user's personal computer and the GSM SIM card)

Wireless Week, p 20

April 07, 1997

DOCUMENT TYPE: Journal ISSN: 1085-0473 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 359

TEXT:

...Users of global system for mobile communications-based services will find relief from cumbersome handset **manipulation** of subscriber identity module card information. Montgomeryville, Pa.-based **smart - card** producer Gemplus Corp. recently introduced an interface between the user's personal computer and the...

20/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2006 The Gale Group. All rts. reserv.

01161490 Supplier Number: 23660623 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Security flaws in smart cards
(Bellcore technology reports detection of serious security flaws in smart
card technology currently in use in Europe and testing in North America)
Smart Card Bulletin, n 164, p I
October 1996
DOCUMENT TYPE: Newsletter (Ireland)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 254

TEXT:

...report, while useful, by no means spells serious difficulty for the
technology.

According to Bellcore, **smart cards** can be **manipulated** into making a
computational error that would render them vulnerable to de-encryption by
criminals.

20/3,K/3 (Item 1 from file: 13)
DIALOG(R)File 13:BAMP
(c) 2006 The Gale Group. All rts. reserv.

00522691 Supplier Number: 23756150 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Facing the Smart-Card Security Issue
(Attention has been focused by recent reports on the issue of smart card security)
Article Author(s): Krueger, Julie; Schloss, Rebekah
Card Technology, p 16-19
January 1997
DOCUMENT TYPE: Journal ISSN: 1093-1279 (United States)
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1548

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...Calif. This paper "Tamper Resistance-A Cautionary Note," goes into more detail on how a **smart card** can be **manipulated** to produce a fault in a particular calculation. Its authors also have published a paper...

20/3,K/7 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

05675047 . Supplier Number: 50152590
Smart-card technology simple to consultant.
Wayner, Peter
Orange County Register (Santa Ana, CA), pNews5
June 22, 1998
Language: English Record Type: Abstract
Article Type: Article
Document Type: Newspaper; Trade

ABSTRACT:

Consultant Paul Kocher of San Francisco, CA, has found a way to **manipulate** current **smart - card** technology. **Smart cards** are employed by banks and credit card firms for financial transactions with the public. The...

20/3,K/28 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

05876235 SUPPLIER NUMBER: 12330969 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Canon, Olivetti Agree on Optical Card Tie-Up
Kyodo, 06160016
June 16, 1992
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 147 LINE COUNT: 00011

... the health care and medical industries in Italy and other European countries, company officials said.

Optical cards and reader and writer equipment are used to **manipulate** and store computerized data.

The deal calls for Canon to supply its optical card system...

20/3,X/33 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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01780327

Olympus Develops Portable Optical Card Reader
Comline Computers September 9, 1987 p. 6

... 15th. The card reader is equipped with a keyboard and a display and can search, **manipulate** , and display data stored on an **optical card** .
The device is compact, measuring 290 (W) x 223 (D) x 69 mm (H). It...